

Oil Spill Response in California

California Department of Fish & Game
Office of Spill Prevention and Response
(OSPR)



California Resources

Diversity of California



1,100 miles of coastline

California National Marine Sanctuaries

Cordell Banks
526 sq mi

Gulf of Farallones
1,256 sq mi

Monterey Bay
5,329 sq mi

Channel Islands
1,658 sq mi



California Wildlife

**More than 300 Threatened
and Endangered Species**



Places of Safe Refuge



T/V PRESTIGE

November 13, 2002
70,000 Tons Heavy
Fuel Oil

Events Leading to the Creation of OSPR



Aground on Bligh Reef

March 24, 1989
TV EXXON VALDEZ

February 7, 1990
TV AMERICAN TRADER



Resulting Pollution Laws

- SB 2040 or Lempert-Keene-Seastrand Oil Spill Prevention and Response Act passed 9/90.
- Federal Oil Pollution Act (OPA-90) passed 10/90.

Four Mission Areas

- Prevention
- Preparedness
- Response
- Restoration



Prevention

- Harbor Safety Committees
- Tug Escorts
- Vessel Traffic System (VTS)
- Monitoring and Inspection

Preparedness

Preparation = Performance

- Contingency Plans
 - Vessel
 - Area
 - Facility
- Oil Spill Response Organizations
- Drills and Exercises
- Certificates of Financial Responsibility

Response

- Field Response Team (FRT)
- Wildlife Response
- Dispersant Plan
- Other Resources / Equipment

Restoration

Documentation

- Spill (Source Sample)
- Pathway (Where the oil moved)
- Sampling of oil during SCAT searches
- Resources at Risk (Types of fish and wildlife that may be impacted and habitat types)
- Exposure (What came into contact with the oil, important to maintain chain of custody here)
- Documentation of injury



Wooden decoys

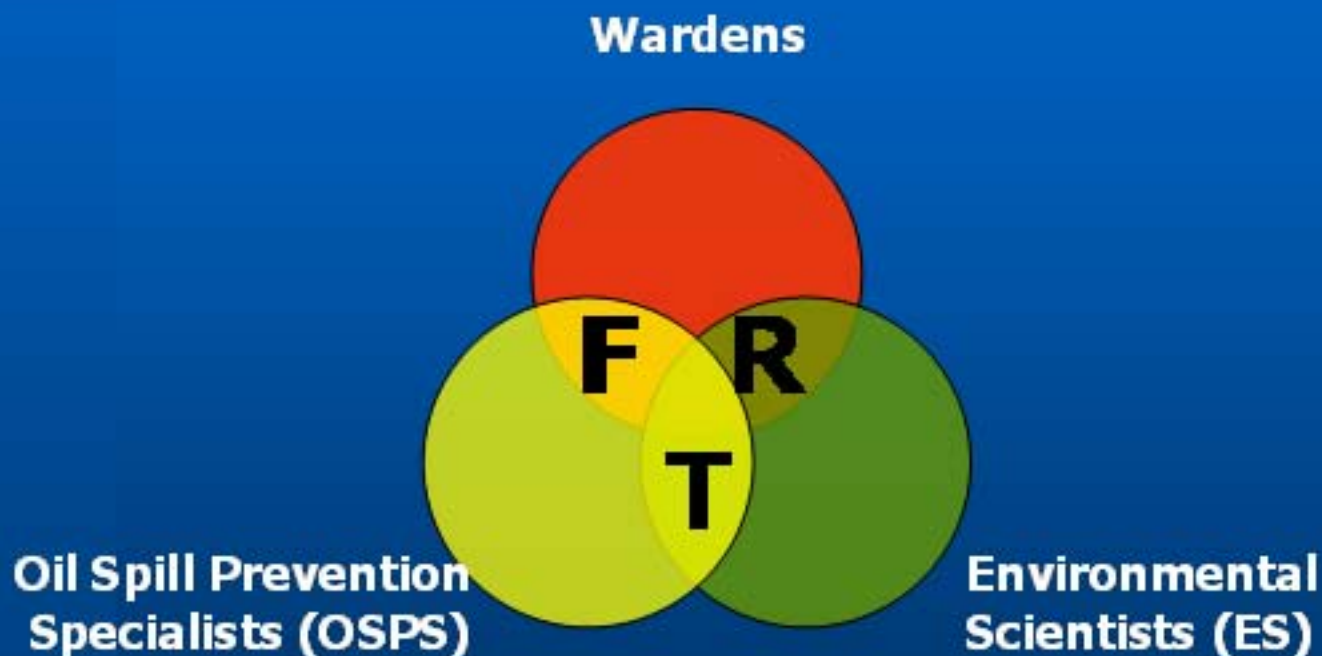
Drills and Exercises

- **Announced Exercises:**
 - Administered through OSPR's Executive Branch
 - Industry led
- **Unannounced Drills:**
 - Administered through OSPR's Readiness Unit
 - Performance Based
 - Plan Holder notification and equipment deployment drills
 - OSRO Rating drills
- **Sensitive Site Strategy Evaluation Program**
- **OSPR internal exercises**

Benefits of Drills and Exercise Programs

- Networking Among Plan Holders, Responders, and Government Agencies.
- Identifies Weaknesses and Verifies Readiness
- Identify Spill Potential and Methods for Spill Avoidance
- Responders Gain Familiarity With Response Resources
- Compliance With Regulatory Requirements

OSPR Field Response Team



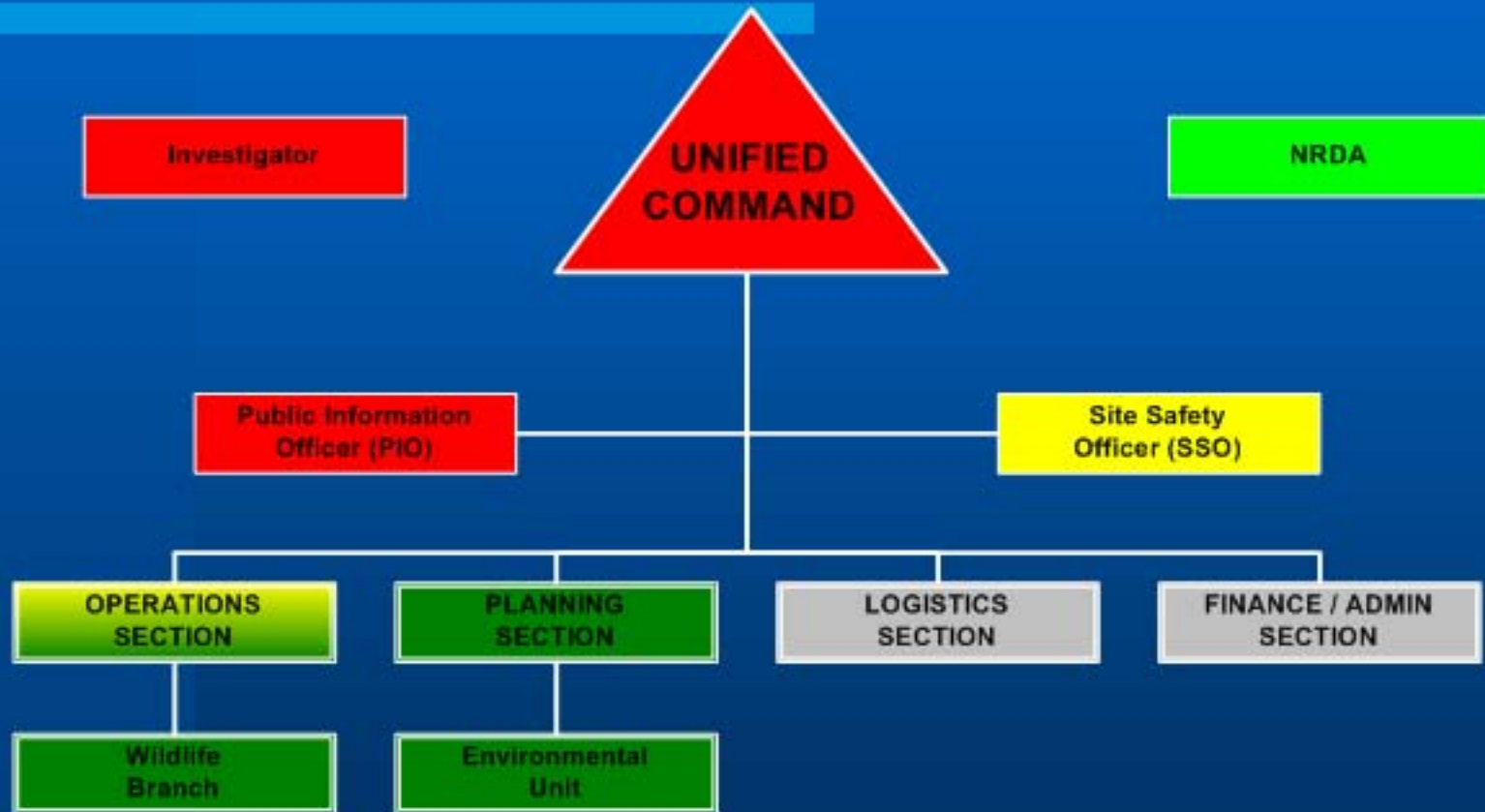
How We Achieve FRT Vision

- **Cross-training**
- **Mentoring**
- **Drills/exercises**
- **ICS implementation**
- **Coordinated team approach for response to spills**

FRT Notification

- **Call in to State Office of Emergency Services (OES) and/or National Response Center (NRC)**
- **Notification to joint State Parks/Fish and Game Dispatch Center**
- **Notification to three member FRT**

FRT Within ICS Structure



● **Warden** ● **OSPS** ● **ES**

OSPR Field Response Team



**Environmental
Scientist (ES)**

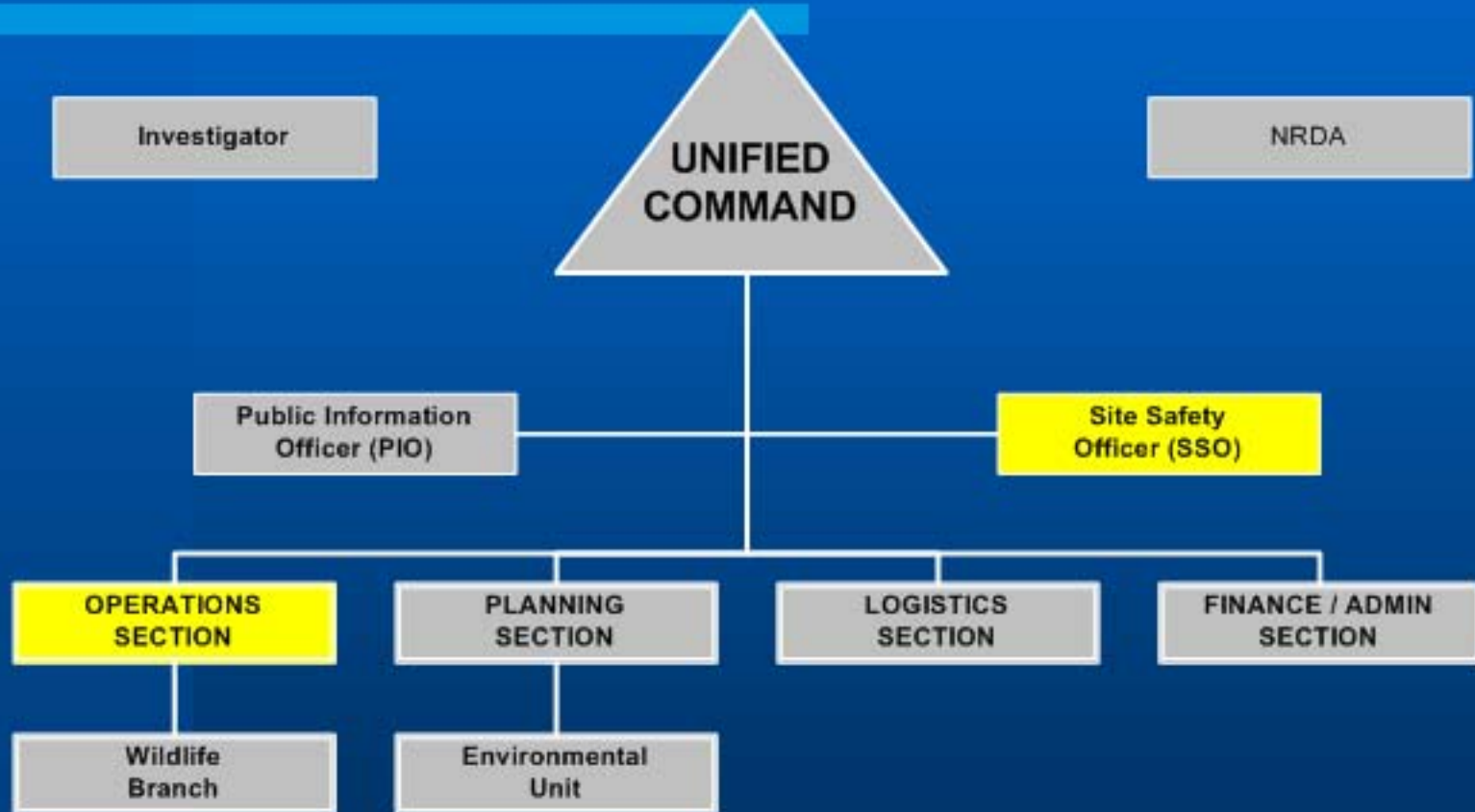


Warden



**Oil Spill
Prevention
Specialist
(OSPS)**

OSPSs Within ICS Structure



● **Warden** ● **OSPS** ● **ES**

Oil Spill Prevention Specialists

Background and Training

Initial Roles and Responsibilities:

- **Site Safety Officer (ICS/UCS)**
- **Operations Chief or Deputy Operations Chief**
- **Liaison with Industry Operations Staff**
- **Develop initial Incident Action Plan**

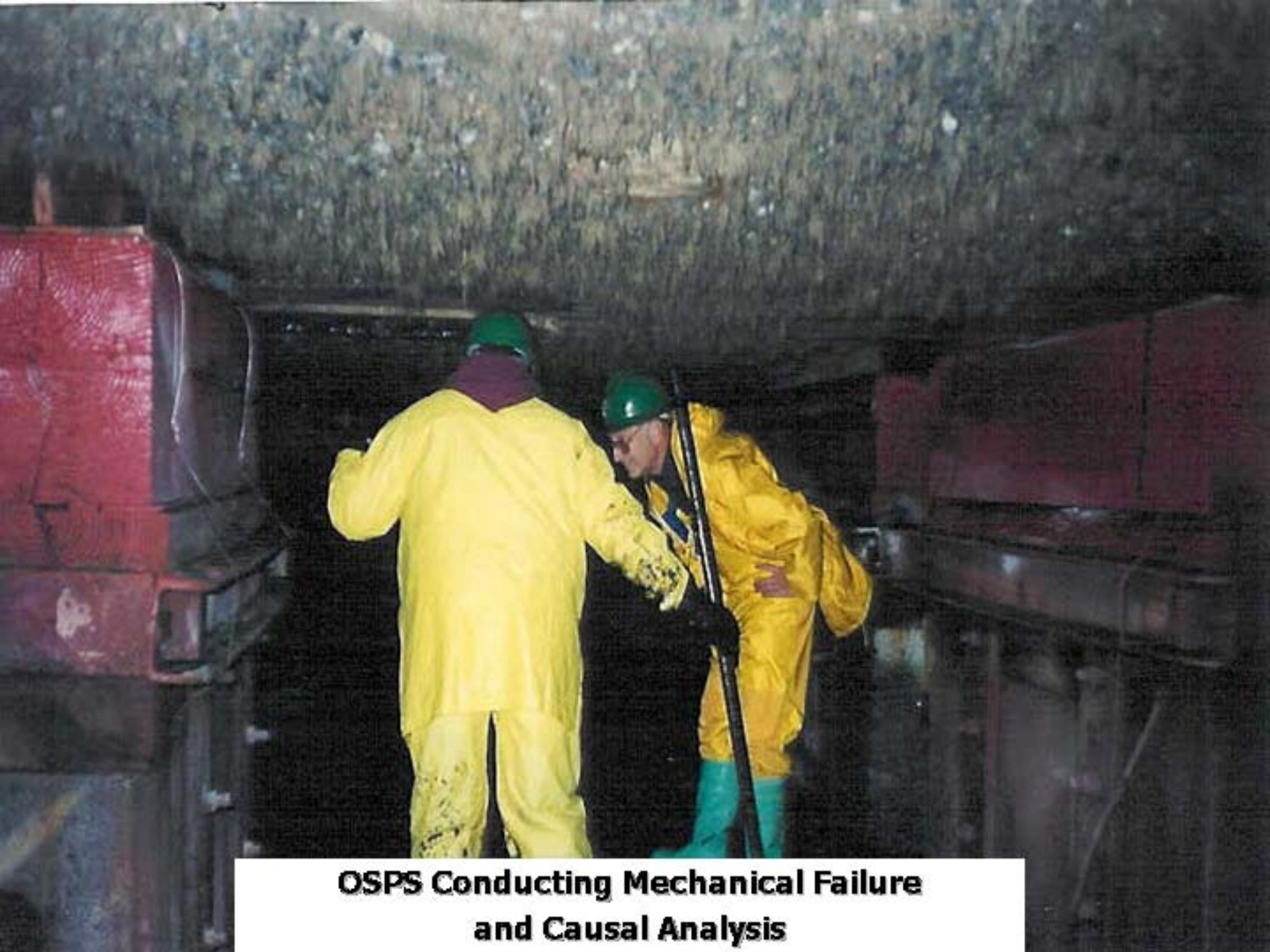


**OSPS Site Characterization
Training**

Oil Spill Prevention Specialists

Specialized Roles and Responsibilities:

- **Site Characterization (Air Monitoring)**
- **Release Quantification**
- **Human/Mechanical Failure Causal Analysis**
- **Maritime/Pipeline/Hazmat Expertise**
- **Confined Space (Identification)**

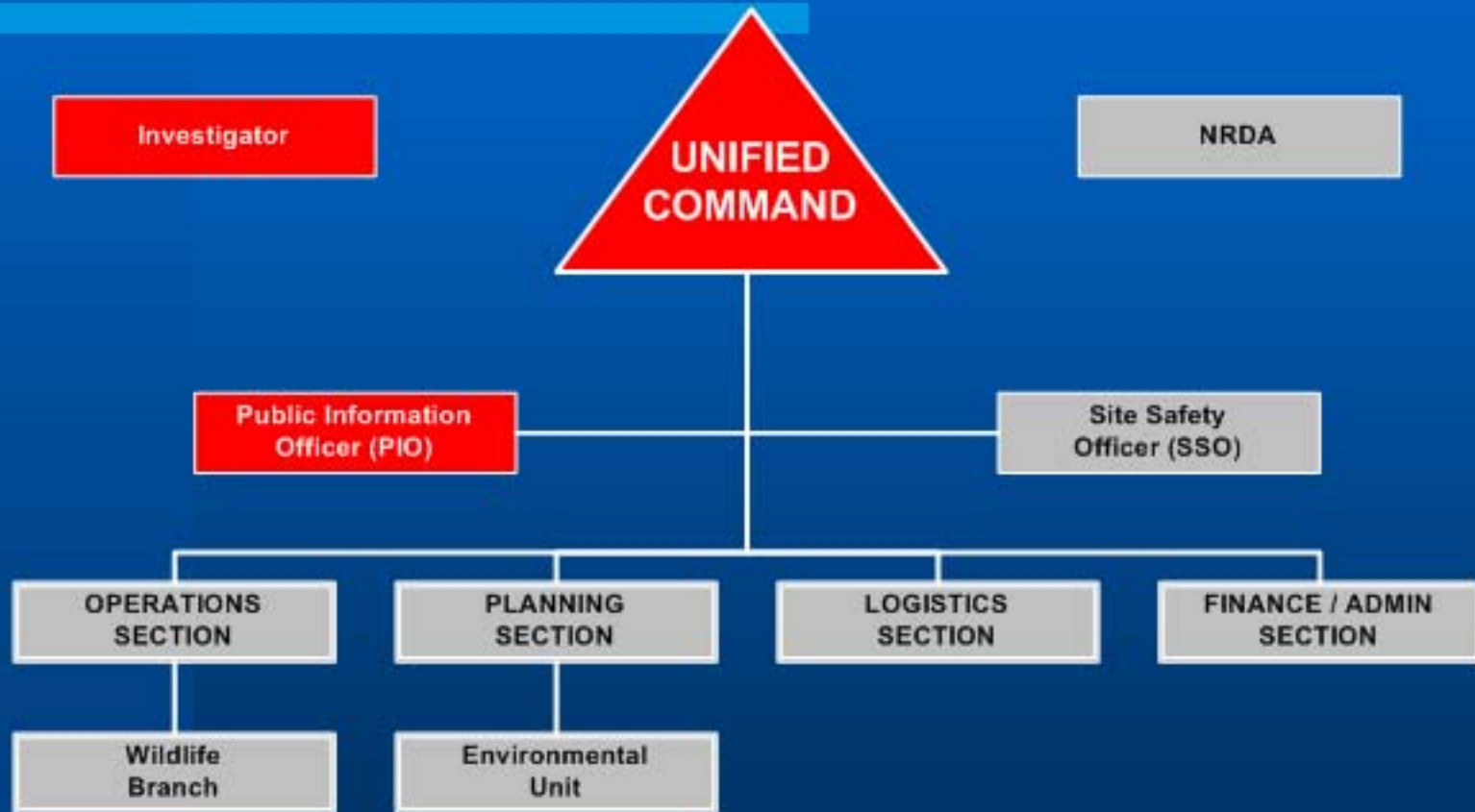


**OSPS Conducting Mechanical Failure
and Causal Analysis**



**OSPS Conducting Product
Quantification**

Wardens Within ICS Structure



● **Warden** ● **OSPS** ● **ES**

Wardens

Background and Training

Initial Roles and Responsibilities:

- State Incident Commander (SIC)
- State On-Scene Coordinator (SOSC)
- Public Information Officer (PIO)
- Public Health & Safety



**Media Briefing By
Unified Command
(USCG/OSPR Warden/RP)**

Wardens

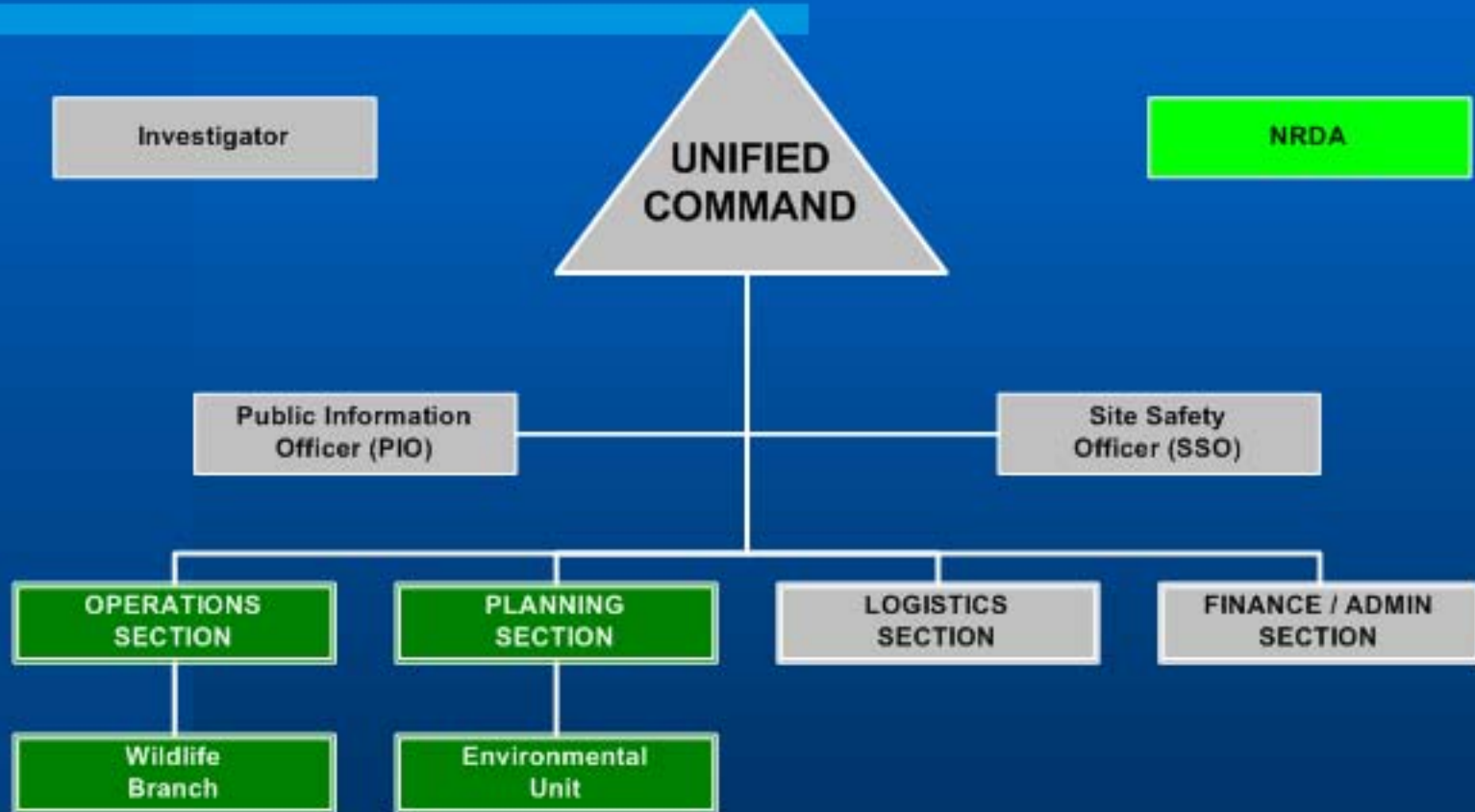
Specialized Roles and Responsibilities:

- Investigator
- Site Security
- Peace Officer/Law Enforcement
- Evidence Collection & Control

Law Enforcement



ESs Within ICS Structure



● Warden ● OSPS ● ES

Environmental Scientists

Background and Training

Initial Roles and Responsibilities:

- **Environmental Unit of Planning**
 - Local Resource Identification
 - Initial Site Strategy Implementation (ACP)
- **Coordinate Wildlife Operations**



Identification of Local Resources
Initial Site Strategy Implementation

Environmental Scientists

Specialized Roles and Responsibilities:

- **Identification of Resources at Risk**
- **Resource Protection Priorities**
- **Shoreline Cleanup and Assessment (SCAT)**
- **Cleanup Monitoring & Assessment**
- **Determine Cleanup Endpoints**
- **Resource Injury Assessment**



Identification of Resources at Risk (RAR)

Shoreline Cleanup & Assessment Team (SCAT)





Resource Injury Assessment

Cleanup Monitoring & Endpoint Determination



Other OSPR Spill Resources

- State Planning Documents (in RCP)
 - CA Dispersant Plan
 - CA Wildlife Response Plan
- Oiled Wildlife Care Network
- Technology (GIS & GPS, Aerial photography, SAR)
- Laboratories (PCL, WPCL, Aquatic Toxicity)

CA Dispersant Use Plan

- Part of USCG Regional Contingency Plan (RCP)
- Establishes authorization and provides guidelines to use dispersants in a timely manner
- Establishes two zones:
 - Dispersant Pre-Approval Zones
 - RRT Approval Required Zones

CA Wildlife Response Plan

- Part of USCG Regional Contingency Plan (RCP)
- Addresses federal (OPA 90) and state (Lempert-Keene-Seastrand Oil Spill Prevention and Response Act) statutory mandates
- Details the Wildlife Operations Branch purposes, goals, objectives, responsibilities, and structure

Oiled Wildlife Care Network (OWCN)

OILED WILDLIFE CARE NETWORK



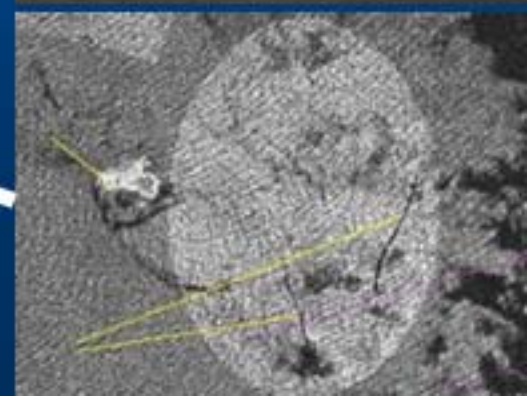
25 Centers
in California

Established by OSPR



Geographic Information Systems (GIS)

- Development of situation maps using various technologies



Laboratories



- Petroleum Chemistry Lab
- Water Pollution Control Lab

- Aquatic Toxicology Lab
- Pesticides Investigation Lab
- Wildlife Investigation Lab



Equipment



SUMMARY

- **OSPR Overview**
- **FRT**
- **Other OSPR Spill Resources**

THANK YOU!

